Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Name: C10, G10, N10, C20, G20, S20, SV20
Contains Petroleum distillates, hydrotreated light naphthenic

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended Use: Viscometer and/or density measurement equipment calibration and performance verification reference standard

Uses advised against: No information available

1.3. Details of the supplier of the safety data sheet
Supplier: Cannon Instrument Company
2139 High Tech Rd.
State College, PA 16803-1733
TEL: (814) 353-8000; (800) 676-6232
For further information, please contact:
E-mail Address: No information available.

1.4. Emergency telephone number
Emergency Telephone Number: (800) 255-3924 Domestic CHEM-TEL Inc.
+1 (813) 248-0585 Overseas CHEM-TEL Inc. (Please Call Collect)

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008
Aspiration Toxicity: Category 1
Acute Inhalation Toxicity - Dusts and Mists: Category 4

Physical Hazards: None

2.2. Label Elements

Signal Word: Warning

Hazard Statements:
H332 - Harmful if inhaled
H304 - May be fatal if swallowed and enters airways

Precautionary Statements - EU (§28, 1272/2008)
WPS-CAN-010 - C10, G10, N10, C20, G20, S20, SV20  
Revision Date 29-Aug-2017

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
P308 + P313 - IF exposed or concerned: Get medical advice/ attention  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician  
P331 - Do NOT induce vomiting  
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

2.3. Other information  
May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination  
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons  
Prolonged skin contact may defat the skin and produce dermatitis

Section 3. Composition/information on ingredients

3.1. Substances  
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC-No</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>EU - GHS Substance Classification</th>
<th>REACH No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual oils (petroleum), solvent refined</td>
<td>265-101-6</td>
<td>64742-01-4</td>
<td>&lt;85</td>
<td>Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined light paraffinic</td>
<td>265-091-3</td>
<td>64741-89-5</td>
<td>&lt;85</td>
<td>Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>265-090-8</td>
<td>64741-88-4</td>
<td>&lt;85</td>
<td>Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>265-169-7</td>
<td>64742-65-0</td>
<td>&lt;85</td>
<td>Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy paraffinic</td>
<td>265-157-1</td>
<td>64742-54-7</td>
<td>&lt;85</td>
<td>Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>265-155-0</td>
<td>64742-52-5</td>
<td>&lt;85</td>
<td>Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>265-150-3</td>
<td>64742-48-9</td>
<td>&lt;85</td>
<td>Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>265-156-6</td>
<td>64742-53-6</td>
<td>&lt;85</td>
<td>Asp. Tox. 1 (H304) Carc. 1B (H350)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

Eye Contact  
Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention if irritation persists.

Skin Contact  
Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.

Ingestion  
Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention.

Inhalation  
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects  
Drowsiness. Dizziness. Irritation.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician  
Treat symptomatically.
Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons
No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

7.3. Specific end use(s)

Exposure Scenario
No information available.

Other Guidelines
No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters
## Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Finland</th>
<th>France</th>
<th>Germany</th>
<th>Gibraltar</th>
<th>Greece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy 64742-48-9</td>
<td>TWA: 50 ppm</td>
<td>TWA: 300 mg/m³</td>
<td>Ceiling / Peak: 100 ppm</td>
<td>Ceiling / Peak: 600 mg/m³</td>
<td>Repr*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>The Netherlands</th>
<th>Norway</th>
<th>Poland</th>
<th>Portugal</th>
<th>Spain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy 64742-48-9</td>
<td>TWA: 300 mg/m³</td>
<td>STEL: 900 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### Derived No Effect Level
No information available.

#### Predicted No Effect Concentration (PNEC)
No information available.

### 8.2. Exposure controls

#### Engineering Measures
Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment
- **Eye Protection**: Safety glasses with side-shields.
- **Skin and Body Protection**: Long sleeved clothing.
- **Hand Protection**: Protective gloves.
- **Respiratory Protection**: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Environmental Exposure Controls
No information available.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>&gt;260 °C</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 145 °C</td>
<td>Open cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No data available 0.87-0.88</td>
<td>None known</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble in water</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Soluble in solvents</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>
Decomposition Temperature
Viscosity
Explosive Properties
Oxidizing Properties
9.2. Other information
VOC Content (%)

Section 10. Stability and reactivity

10.1. Reactivity
Not reactive under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid
Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent-refined</td>
<td>&gt; 5000 mg/kg (Rat )</td>
<td>&gt; 2000 mg/kg (Rabbit )</td>
<td>&gt; 5530 mg/m^3 (Rat ) 4 h</td>
</tr>
<tr>
<td>heavy paraffinic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined</td>
<td>&gt; 15 g/kg (Rat )</td>
<td>&gt; 5 g/kg (Rabbit )</td>
<td>= 2.18 mg/L (Rat ) 4 h</td>
</tr>
<tr>
<td>light paraffinic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent</td>
<td>&gt;5000 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rabbit)</td>
<td>= 2.18 mg/L (Rat ) 4 h</td>
</tr>
<tr>
<td>refined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>&gt; 5000 mg/kg (Rat )</td>
<td>&gt; 3160 mg/kg (Rabbit )</td>
<td>&gt; 8500 mg/m^3 (Rat ) 4 h</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated</td>
<td>&gt; 5000 mg/kg (Rat )</td>
<td>&gt; 5000 mg/kg (Rabbit )</td>
<td></td>
</tr>
<tr>
<td>heavy paraffinic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy</td>
<td></td>
<td></td>
<td>&gt;4.7 mg/l (rat) 4 hr.</td>
</tr>
<tr>
<td>paraffinic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated</td>
<td></td>
<td></td>
<td>= 2180 mg/m^3 (Rat ) 4 h</td>
</tr>
<tr>
<td>light naphthenic</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sensitization
No information available.

Mutagenic Effects
No information available.

Carcinogenic Effects
The classification listed for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.
Reproductive Toxicity
No information available.

Developmental Toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Target Organ Effects
Skin. Central nervous system (CNS). Eyes. Respiratory system.

Aspiration Hazard
No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual oils (petroleum), solvent refined</td>
<td>-</td>
<td>&gt; 5000 mg/L; LC50 96 h (Oncorhynchus mykiss)</td>
<td>-</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined light paraffinic</td>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy paraffinic</td>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>LC50 96 h: = 2200 mg/L (Pimephales promelas)</td>
<td>LC50 96 h: = 2.6 mg/L (Chaetogammarus marinus)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>LC50 96 h: &gt; 5000 mg/L (Oncorhynchus mykiss)</td>
<td>EC50 48 h: &gt; 1000 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
Adsorbs on soil.

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods
Waste from Residues / Unused Products  Dispose of in accordance with local regulations.

Contaminated Packaging  Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Section 14. Transport information**

**Note:** The information provided below may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional requirements and mode-specific, material-specific, or quantity-specific shipping requirements.

**IMDG/IMO**
14.1. UN-Number  Not regulated.
14.2. Proper Shipping Name  Not regulated.
14.3. Hazard Class  Not regulated.
   Description  Not applicable.
14.5. Marine Pollutant  None
14.6. Special Provisions  None
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  No information available.

**RID**
14.1. UN-Number  Not regulated.
14.2. Proper Shipping Name  Not regulated.
14.3. Hazard Class  Not regulated.
   Description  Not applicable.
14.5. Environmental hazard  None
14.6. Special Provisions  None

**ADR**
14.1. UN-Number  Not regulated.
14.2. Proper Shipping Name  Not regulated.
14.3. Hazard Class  Not regulated.
   Description  Not applicable.
14.5. Environmental hazard  None
14.6. Special Provisions  None

**ICAO**
14.1. UN-Number  Not regulated.
14.2. Proper shipping name  Not regulated.
14.3. Hazard Class  Not regulated.
   Description  Not applicable.
14.5. Environmental hazard  None
14.6. Special Provisions  None

**IATA**
14.1. UN-Number  Not regulated.
14.2. Proper Shipping Name  Not regulated.
14.3. Hazard Class  Not regulated.
   Description  Not applicable.
14.5. Environmental hazard  None
14.6. Special Provisions  None

**Section 15. Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Not determined</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Not determined</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Not determined</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not determined</td>
</tr>
<tr>
<td>IECSC</td>
<td>Not determined</td>
</tr>
<tr>
<td>AICS</td>
<td>Not determined</td>
</tr>
<tr>
<td>KECL</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australia Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment
No information available

Section 16. Other information

Full text of H-Statements referred to under sections 2 and 3
H340 - May cause genetic defects
H350 - May cause cancer
H304 - May be fatal if swallowed and enters airways

Key literature references and sources for data
www.ChemADVISOR.com/

Issuing Date 24-Apr-2014
Revision Date 29-Aug-2017
Revision Note (M)SDS sections updated: 3, 8.


General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet